

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/821812
	Filing Date	April 8, 2004
	First Named Inventor	Raanan A. Miller
	Art Unit	2881
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	SION-P01-001

**ENCLOSURES (Check all that apply)**

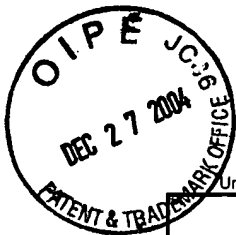
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input checked="" type="checkbox"/> Reply to Missing Parts/ Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):  Combined Declaration and Power of Attorney Filing Fee for the Application (as shown on accompanying Fee Transmittal) Formal Drawings Part 2 Copy of Notice Return Receipt Postcard
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	ROPES & GRAY LLP		
Signature			
Printed name	John V. Bianco		
Date	December 22, 2004	Reg. No.	36,748

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Date: December 22, 2004      Signature: (Diane Burke)



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<b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>	
		Application Number	10/821812
		Filing Date	April 8, 2004
		First Named Inventor	Raanan A. Miller
		Examiner Name	Not Yet Assigned
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	Art Unit	2881	
<b>TOTAL AMOUNT OF PAYMENT</b>	<b>(\$)</b> 3,510.00	Attorney Docket No.	SION-P01-001

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: <u>18-1945</u> Deposit Account Name: <u>Ropes &amp; Gray LLP</u>
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

<b>FEE CALCULATION</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
		<b>Small Entity</b>		<b>Small Entity</b>		<b>Small Entity</b>	
<b>Application Type</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	790.00 (application filed before 12/08/04)
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
<b>2. EXCESS CLAIM FEES</b>							
<b>Fee Description</b>	<b>Fee (\$)</b>	<b>Small Entity Fee (\$)</b>					
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25					
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100					
Multiple dependent claims	360	180					
<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>			
32	- 20 = 12	x 50.00 =	600.00	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>		
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>				
5	- 3 = 2	x 200.00 =	400.00				
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
	- 100 =	/50	(round up to a whole number) x				
<b>4. OTHER FEE(S)</b>							
Non-English Specification, \$130 fee (no small entity discount)				<b>Fees Paid (\$)</b>			
Other: 1051 Surcharge-Late filing fee				130.00			
1254 Extension for response within fourth month				1,590.00			

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	36,748
Name (Print/Type)	John V. Bianco	Telephone	(617) 951-7973
		Date	December 22, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: <u>December 22, 2004</u>	Signature:  (Diane Burke)



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Dated: December 22, 2004 Signature: (Diane Burke)

Docket No.: SION-P01-001  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Miller et al.

Application No.: 10/821812

Filed: April 8, 2004

For: EXPLOSIVES DETECTION USING  
DIFFERENTIAL ION MOBILITY  
SPECTROMETRY

Confirmation No.: 9060

Art Unit: 2881

Examiner: Not Yet Assigned

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION**

MS Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Notice to File Missing Parts of Application – Filing Date Granted mailed June 25, 2004, Applicant respectfully submits a Combined Declaration and Power of Attorney, the Filing Fee for the Application (as shown on accompanying Fee Transmittal), Formal Drawings (14 figures, 25 pages), and Part 2 Copy of Notice.

Please charge our Deposit Account No. 18-1945 in the amount of \$3510.00 covering the fees set forth in 37 CFR 1.16(e), 1.16(a), 1.16(i), 1.16(h), 1.492(b), 1.17(a)(4), and 1.492(c). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by

Application No.: 10/821812

Docket No.: SION-P01-001

this firm) to our Deposit Account No. 18-1945, under Order No. SION-P01-001. A duplicate copy of this paper is enclosed.

Dated: December 22, 2004

Respectfully submitted,

By 

John V. Bianco

Registration No.: 36,748

ROPES & GRAY LLP

One International Place

Boston, Massachusetts 02110-2624

(617) 951-7000

(617) 951-7050 (Fax)

Attorneys/Agents For Applicant

ERW

FD



DEC 27 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/821,812	04/08/2004	Raanan A. Miller	SION-P01-001

CONFIRMATION NO. 9060

## FORMALITIES LETTER



\*OC000000013075471\*

28120  
 ROPES & GRAY LLP  
 ONE INTERNATIONAL PLACE  
 BOSTON, MA 02110-2624

12/29/2004 SDIRETA1 00000052 181945 10821812

01 FC:1001	790.00 DA
02 FC:1202	600.00 DA
03 FC:1201	400.00 DA
04 FC:1051	130.00 DA

Date Mailed: 06/25/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
  - The drawings have a line quality that is too light to be reproduced (weight of all lines and letters must be heavy enough to permit adequate reproduction) or text that is illegible (reference characters, sheet numbers, and view numbers must be plain and legible) see 37 CFR 1.84(l) and (p)(1)); See Figure(s) 2, 3, 4A, 5A and 5B.
  - Numbers, letters, and reference characters on the drawings must measure at least 0.32 cm (1/8 inch) in height. See Figure(s) 2.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$388** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

**SUMMARY OF FEES DUE:**

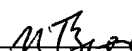
Total additional fee(s) required for this application is **\$1288** for a Large Entity

- **\$770** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$388**
  - **\$172** for **2** independent claims over 3.
  - **\$216** for **12** total claims over 20.

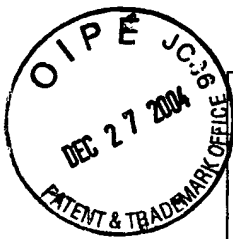
Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



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Dated: December 22, 2004

Signature: *Diane Burke*

(*Diane Burke*)

Docket No.: SION-P01-001  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Miller et al.

Application No.: 10/821,812

Confirmation Number: 9060

Filed: April 8, 2004

Art Unit: 2881

For: EXPLOSIVES DETECTION USING  
DIFFERENTIAL ION MOBILITY  
SPECTROMETRY

Examiner: Not Yet Assigned

**TRANSMITTAL OF FORMAL DRAWINGS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Submitted herewith is one set (twenty-five sheets, fourteen figures) of formal drawings for filing in the above-identified patent application. Kindly substitute the enclosed formal drawings for the informal drawings submitted with the originally filed application.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-1945 from which the undersigned is authorized to draw, under Order No. SION-P01-001.

Dated: December 22, 2004

Respectfully submitted,

By *John V. Bianco*  
John V. Bianco

Registration No.: 36,748

ROPES & GRAY LLP  
One International Place  
Boston, Massachusetts 02110-2624  
(617) 951-7000  
(617) 951-7050 (Fax)  
Attorneys/Agents For Applicant